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References"; "Chapter 1 A High-Risk€?High-Return Opportunity";  
"The Anchor Consumer€?s Role in Developing the Power Sector";  
"Mining€?s Contribution to Socioeconomic Development"; "Risks in  
Power€?Mining Integration"; "Scope of This Report"; "Notes";  
"References"; "Chapter 2 Mining Demand for Power"; "Mines Require  
Enormous Amounts of Power"; "Mining Demand for Power Could  
Triple to 23 GW by 2020"  
"Power Demand from Mines Is Concentrated in a Group of Metals"  
Mining Demand for Power Will Overwhelm Nonmining Demand for a  
Handful of Countries"; "Note"; "Reference"; "Chapter 3 Mine Power-  
Sourcing Arrangements"; "A Typology of Arrangements"; "The Share  
of Grid Supply in Projects Has Declined"; "Intermediate Options Report  
the Largest Rise in Annual Consumption"; "Power-Sourcing  
Arrangements Have Evolved in SSA Regions"; "Self-Supply Imposes a  
Heavy Burden"; "Three Main Factors Determine Power-Sourcing  
Arrangements"; "References"  
"Chapter 4 Opportunities and Lessons for Power€?Mining  
Integration"  
"Power€?Mining Overview"; "The Eight Countries Report  
a Range of Power-Sourcing Relationships"; "Group 1: Minimal  
Synergies (Guinea, Mauritania, and Tanzania): Opportunity to Use  
Mining as Anchor Load for Electrification"; "Group 2: Medium  
Synergies (Mozambique, the Democratic Republic of Congo, and  
Cameroon): Mines as Anchor Load for Regional Power System  
Integration"; "Group 3: High Synergies (Ghana and Zambia): Lessons  
of Experience"; "Note"; "References"  
"Chapter 5 Challenges to Power€?Mining Integration"

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## Sommario/riassunto

Africa needs power - to grow its economies and enhance the welfare of its people. Power for all is still a long distance away - two thirds of the population remains without electricity and enterprises rank electricity as a top constraint to doing business. This sub-optimal situation coexists while vast energy resources remain untapped. One solution to harness these resources could be to tap into the concept of anchor load. Mining industry lends itself to the concept of anchor load as it needs power in large quantity and reliable quality to run its processes. Underpinned by a comprehensive data

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